

ABSTRACT OF THE DISCLOSURE

A power supply for an auxiliary power unit APU of a combustion vehicle having a combustion engine includes a fuel cell with a hydrogen input, an oxygen input and an exhaust output, an electrolyzer capable of generating hydrogen and oxygen from water, a hydrogen storage for storing hydrogen produced by the electrolyzer, a water supply (for supplying water to the electrolyzer), and a pressure pump for adjusting the pressure between the water supply and the electrolyzer.